



Orifice sizing Equation

$$Q = CA(2gH)^{1/2}$$

Q = Peak Discharge Rate, cfs

C = Coefficient of Discharge.
dimensionless, (use nominal
value of 0.60)

A = Cross sectional Area of Orifice,
square feet

g = Acceleration due to Gravity,
32.16 ft/sec/sec

H = Head on the Orifice, feet

ORIFICE PLATE TO BE SET ON OUTLET PIPE
WALL AT EACH BASIN INDICATED ON PLAN.

[Signature]
STORMWATER PROGRAM MANAGER

[Signature]
ADMINISTRATOR

12/15/93
APPROVED

REVISED

OUTLET CONTROL ORIFICE PLATE

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE

STANDARD
CONSTRUCTION DRAWING

DR. G.L.C.
CK. DJH

SHEET 1
OF 1

FILE NO.
AA-S145